

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/586,499
Source: JFWP
Date Processed by STIC: 07/27/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/586,499

TIME: 12:08:02

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

```

3 <110> APPLICANT: KURUME UNIVERSITY
5 <120> TITLE OF INVENTION: Epidermal growth factor receptor (EGFR)-derived peptides
7 <130> FILE REFERENCE: 665024
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/586,499
C--> 9 <141> CURRENT FILING DATE: 2006-07-20
9 <150> PRIOR APPLICATION NUMBER: JP 2004-015676
10 <151> PRIOR FILING DATE: 2004-01-23
12 <160> NUMBER OF SEQ ID NOS: 6
14 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 10
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: EGFR-derived peptide at position 800-809.
25 <400> SEQUENCE: 1
26 Asp Tyr Val Arg Glu His Lys Asp Asn Ile
27 1 5 10
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 9
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: EGFR-derived peptide at position 124-132.
38 <400> SEQUENCE: 2
39 Asn Tyr Asp Ala Asn Lys Thr Gly Leu
40 1 5 9
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 9
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: EGFR-derived peptide at position 54-62.
51 <400> SEQUENCE: 3
52 Met Phe Asn Asn Cys Glu Val Val Leu
53 1 5 9
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 10
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: EGFR-derived peptide at position 479-488.
64 <400> SEQUENCE: 4

```

RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/586,499

TIME: 12:08:02

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

```

65 Lys Leu Phe Gly Thr Ser Gly Gln Lys Thr
66   1           5           10
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 10
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: EGFR-derived peptide at position 1138-1147.
78 <400> SEQUENCE: 5
79 Tyr Leu Asn Thr Val Gln Pro Thr Cys Val
80   1           5           10
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 1210
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 6
89 Met Arg Pro Ser Gly Thr Ala Gly Ala Ala Leu Leu Ala Leu Leu Ala
90   1           5           10           15
92 Ala Leu Cys Pro Ala Ser Arg Ala Leu Glu Glu Lys Lys Val Cys Gln
93           20           25           30
95 Gly Thr Ser Asn Lys Leu Thr Gln Leu Gly Thr Phe Glu Asp His Phe
96           35           40           45
98 Leu Ser Leu Gln Arg Met Phe Asn Asn Cys Glu Val Val Leu Gly Asn
99           50           55           60
101 Leu Glu Ile Thr Tyr Val Gln Arg Asn Tyr Asp Leu Ser Phe Leu Lys
102   65           70           75           80
104 Thr Ile Gln Glu Val Ala Gly Tyr Val Leu Ile Ala Leu Asn Thr Val
105           85           90           95
107 Glu Arg Ile Pro Leu Glu Asn Leu Gln Ile Ile Arg Gly Asn Met Tyr
108           100          105          110
110 Tyr Glu Asn Ser Tyr Ala Leu Ala Val Leu Ser Asn Tyr Asp Ala Asn
111           115          120          125
113 Lys Thr Gly Leu Lys Glu Leu Pro Met Arg Asn Leu Gln Glu Ile Leu
114           130          135          140
116 His Gly Ala Val Arg Phe Ser Asn Asn Pro Ala Leu Cys Asn Val Glu
117 145           150          155          160
119 Ser Ile Gln Trp Arg Asp Ile Val Ser Ser Asp Phe Leu Ser Asn Met
120           165          170          175
122 Ser Met Asp Phe Gln Asn His Leu Gly Ser Cys Gln Lys Cys Asp Pro
123           180          185          190
125 Ser Cys Pro Asn Gly Ser Cys Trp Gly Ala Gly Glu Glu Asn Cys Gln
126           195          200          205
128 Lys Leu Thr Lys Lys Ile Ile Cys Ala Gln Gln Cys Ser Gly Arg Cys Arg
129           210          215          220
131 Gly Lys Ser Pro Ser Asp Cys Cys His Asn Gln Cys Ala Ala Gly Cys
132 225           230          235          240
134 Thr Gly Pro Arg Glu Ser Asp Cys Leu Val Cys Arg Lys Phe Arg Asp
135           245          250          255
137 Glu Ala Thr Cys Lys Asp Thr Cys Pro Pro Leu Met Leu Tyr Asn Pro

```

RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/586,499

TIME: 12:08:02

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

138				260					265					270			
140	Thr	Thr	Tyr	Gln	Met	Asp	Val	Asn	Pro	Glu	Gly	Lys	Tyr	Ser	Phe	Gly	
141				275				280					285				
143	Ala	Thr	Cys	Val	Lys	Lys	Cys	Pro	Arg	Asn	Tyr	Val	Val	Thr	Asp	His	
144		290					295					300					
146	Gly	Ser	Cys	Val	Arg	Ala	Cys	Gly	Ala	Asp	Ser	Tyr	Glu	Met	Glu	Glu	
147	305					310				315					320		
149	Asp	Gly	Val	Arg	Lys	Cys	Lys	Lys	Cys	Glu	Gly	Pro	Cys	Arg	Lys	Val	
150				325				330						335			
152	Cys	Asn	Gly	Ile	Gly	Ile	Gly	Glu	Phe	Lys	Asp	Ser	Leu	Ser	Ile	Asn	
153				340				345					350				
155	Ala	Thr	Asn	Ile	Lys	His	Phe	Lys	Asn	Cys	Thr	Ser	Ile	Ser	Gly	Asp	
156			355				360					365					
158	Leu	His	Ile	Leu	Pro	Val	Ala	Phe	Arg	Gly	Asp	Ser	Phe	Thr	His	Thr	
159		370				375					380						
161	Pro	Pro	Leu	Asp	Pro	Gln	Glu	Leu	Asp	Ile	Leu	Lys	Thr	Val	Lys	Glu	
162	385				390				395						400		
164	Ile	Thr	Gly	Phe	Leu	Leu	Ile	Gln	Ala	Trp	Pro	Glu	Asn	Arg	Thr	Asp	
165				405				410						415			
167	Leu	His	Ala	Phe	Glu	Asn	Leu	Glu	Ile	Ile	Arg	Gly	Arg	Thr	Lys	Gln	
168			420				425					430					
170	His	Gly	Gln	Phe	Ser	Leu	Ala	Val	Val	Ser	Leu	Asn	Ile	Thr	Ser	Leu	
171			435				440					445					
173	Gly	Leu	Arg	Ser	Leu	Lys	Glu	Ile	Ser	Asp	Gly	Asp	Val	Ile	Ile	Ser	
174		450				455				460							
176	Gly	Asn	Lys	Asn	Leu	Cys	Tyr	Ala	Asn	Thr	Ile	Asn	Trp	Lys	Lys	Leu	
177	465				470				475						480		
179	Phe	Gly	Thr	Ser	Gly	Gln	Lys	Thr	Lys	Ile	Ile	Ser	Asn	Arg	Gly	Glu	
180				485				490						495			
182	Asn	Ser	Cys	Lys	Ala	Thr	Gly	Gln	Val	Cys	His	Ala	Leu	Cys	Ser	Pro	
183			500				505					510					
185	Glu	Gly	Cys	Trp	Gly	Pro	Glu	Pro	Arg	Asp	Cys	Val	Ser	Cys	Arg	Asn	
186			515				520					525					
188	Val	Ser	Arg	Gly	Arg	Glu	Cys	Val	Asp	Lys	Cys	Lys	Leu	Leu	Glu	Gly	
189		530				535						540					
191	Glu	Pro	Arg	Glu	Phe	Val	Glu	Asn	Ser	Glu	Cys	Ile	Gln	Cys	His	Pro	
192	545				550				555						560		
194	Glu	Cys	Leu	Pro	Gln	Ala	Met	Asn	Ile	Thr	Cys	Thr	Gly	Arg	Gly	Pro	
195				565				570						575			
197	Asp	Asn	Cys	Ile	Gln	Cys	Ala	His	Tyr	Ile	Asp	Gly	Pro	His	Cys	Val	
198			580				585					590					
200	Lys	Thr	Cys	Pro	Ala	Gly	Val	Met	Gly	Glu	Asn	Asn	Thr	Leu	Val	Trp	
201			595				600					605					
203	Lys	Tyr	Ala	Asp	Ala	Gly	His	Val	Cys	His	Leu	Cys	His	Pro	Asn	Cys	
204		610				615						620					
206	Thr	Tyr	Gly	Cys	Thr	Gly	Pro	Gly	Leu	Glu	Gly	Cys	Pro	Thr	Asn	Gly	
207	625				630				635						640		
209	Pro	Lys	Ile	Pro	Ser	Ile	Ala	Thr	Gly	Met	Val	Gly	Ala	Leu	Leu	Leu	
210				645				650						655			

RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/586,499

TIME: 12:08:02

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

212	Leu	Leu	Val	Val	Ala	Leu	Gly	Ile	Gly	Leu	Phe	Met	Arg	Arg	Arg	His
213				660					665						670	
215	Ile	Val	Arg	Lys	Arg	Thr	Leu	Arg	Arg	Leu	Leu	Gln	Glu	Arg	Glu	Leu
216				675					680						685	
218	Val	Glu	Pro	Leu	Thr	Pro	Ser	Gly	Glu	Ala	Pro	Asn	Gln	Ala	Leu	Leu
219				690					695						700	
221	Arg	Ile	Leu	Lys	Glu	Thr	Glu	Phe	Lys	Lys	Ile	Lys	Val	Leu	Gly	Ser
222	705						710					715				720
224	Gly	Ala	Phe	Gly	Thr	Val	Tyr	Lys	Gly	Leu	Trp	Ile	Pro	Glu	Gly	Glu
225							725					730				735
227	Lys	Val	Lys	Ile	Pro	Val	Ala	Ile	Lys	Glu	Leu	Arg	Glu	Ala	Thr	Ser
228							740					745				750
230	Pro	Lys	Ala	Asn	Lys	Glu	Ile	Leu	Asp	Glu	Ala	Tyr	Val	Met	Ala	Ser
231									760						765	
233	Val	Asp	Asn	Pro	His	Val	Cys	Arg	Leu	Leu	Gly	Ile	Cys	Leu	Thr	Ser
234									775						780	
236	Thr	Val	Gln	Leu	Ile	Thr	Gln	Leu	Met	Pro	Phe	Gly	Cys	Leu	Leu	Asp
237	785															800
239	Tyr	Val	Arg	Glu	His	Lys	Asp	Asn	Ile	Gly	Ser	Gln	Tyr	Leu	Leu	Asn
240																815
242	Trp	Cys	Val	Gln	Ile	Ala	Lys	Gly	Met	Asn	Tyr	Leu	Glu	Asp	Arg	Arg
243																830
245	Leu	Val	His	Arg	Asp	Leu	Ala	Ala	Arg	Asn	Val	Leu	Val	Lys	Thr	Pro
246																845
248	Gln	His	Val	Lys	Ile	Thr	Asp	Phe	Gly	Leu	Ala	Lys	Leu	Leu	Gly	Ala
249																860
251	Glu	Glu	Lys	Glu	Tyr	His	Ala	Glu	Gly	Gly	Lys	Val	Pro	Ile	Lys	Trp
252	865															880
254	Met	Ala	Leu	Glu	Ser	Ile	Leu	His	Arg	Ile	Tyr	Thr	His	Gln	Ser	Asp
255																895
257	Val	Trp	Ser	Tyr	Gly	Val	Thr	Val	Trp	Glu	Leu	Met	Thr	Phe	Gly	Ser
258																910
260	Lys	Pro	Tyr	Asp	Gly	Ile	Pro	Ala	Ser	Glu	Ile	Ser	Ser	Ile	Leu	Glu
261																925
263	Lys	Gly	Glu	Arg	Leu	Pro	Gln	Pro	Pro	Ile	Cys	Thr	Ile	Asp	Val	Tyr
264																940
266	Met	Ile	Met	Val	Lys	Cys	Trp	Met	Ile	Asp	Ala	Asp	Ser	Arg	Pro	Lys
267	945															960
269	Phe	Arg	Glu	Leu	Ile	Ile	Glu	Phe	Ser	Lys	Met	Ala	Arg	Asp	Pro	Gln
270																975
272	Arg	Tyr	Leu	Val	Ile	Gln	Gly	Asp	Glu	Arg	Met	His	Leu	Pro	Ser	Pro
273																990
275	Thr	Asp	Ser	Asn	Phe	Tyr	Arg	Ala	Leu	Met	Asp	Glu	Glu	Asp	Met	Asp
276																1005
278	Asp	Val	Val	Asp	Ala	Asp	Glu	Tyr	Leu	Ile	Pro	Gln	Gln	Gly	Phe	Phe
279																1020
281	Ser	Ser	Pro	Ser	Thr	Ser	Arg	Thr	Pro	Leu	Leu	Ser	Ser	Leu	Ser	Ala
282	1025															1040
284	Thr	Ser	Asn	Asn	Ser	Thr	Val	Ala	Cys	Ile	Asp	Arg	Asn	Gly	Leu	Gln

RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/586,499

TIME: 12:08:02

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

```

285          1045          1050          1055
287 Ser Cys Pro Ile Lys Glu Asp Ser Phe Leu Gln Arg Tyr Ser Ser Asp
288          1060          1065          1070
290 Pro Thr Gly Ala Leu Thr Glu Asp Ser Ile Asp Asp Thr Phe Leu Pro
291          1075          1080          1085
293 Val Pro Glu Tyr Ile Asn Gln Ser Val Pro Lys Arg Pro Ala Gly Ser
294          1090          1095          1100
296 Val Gln Asn Pro Val Tyr His Asn Gln Pro Leu Asn Pro Ala Pro Ser
297 1105          1110          1115          1120
299 Arg Asp Pro His Tyr Gln Asp Pro His Ser Thr Ala Val Gly Asn Pro
300          1125          1130          1135
302 Glu Tyr Leu Asn Thr Val Gln Pro Thr Cys Val Asn Ser Thr Phe Asp
303          1140          1145          1150
305 Ser Pro Ala His Trp Ala Gln Lys Gly Ser His Gln Ile Ser Leu Asp
306          1155          1160          1165
308 Asn Pro Asp Tyr Gln Gln Asp Phe Phe Pro Lys Glu Ala Lys Pro Asn
309          1170          1175          1180
311 Gly Ile Phe Lys Gly Ser Thr Ala Glu Asn Ala Glu Tyr Leu Arg Val
312 1185          1190          1195          1200
314 Ala Pro Gln Ser Ser Glu Phe Ile Gly Ala
315          1205          1210

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/586,499

DATE: 07/27/2006

TIME: 12:08:03

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date